# Author index


Adams, V., see Bücheler, K. (1056) 233
Antonio, R.V., Pereira da Silva, L. and Vercesi, A.E.
Alterations in mitochondrial $Ca^{2+}$ flux by the antibiotic X-537A (lasalocid-A) (1056) 250

Bechara, E.J.H., see Hermes-Lima, M. (1056) 57
Bixon, M., Jortner, J. and Michel-Beyerle, M.E.
On the mechanism of the primary charge separation in bacterial photosynthesis (1056) 301
Bocian, D.F., see Peloquin, J.M. (1056) 85
Bonner, F.T., Hughes, M.N., Poole, R.K. and Scott, R.I.
Kinetics of the reactions of trioxodinitrate and nitrite ions with cytochrome *d* in *Escherichia coli* (1056) 133
Boucher, F., see McIntosh, A.R. (1056) 149
Brdiczka, D., see Bücheler, K. (1056) 233
Brudvig, G.W., see Miller, A.-F. (1056) 1
Bücheler, K., Adams, V. and Brdiczka, D.
Localization of the ATP/ADP translocator in the inner membrane and regulation of contact sites between mitochondrial envelope membranes by ADP. A study on freeze-fractured isolated liver mitochondria (1056) 233
Bylina, E.J., see Peloquin, J.M. (1056) 85

Chap, H., see Payrastre, B. (1056) 19
Crimi, M., see Degli Esposti, M. (1056) 243
Cunningham, C.C., see Spach, P.I. (1056) 40
Curtiss, A., see Gross, E.L. (1056) 166

Davis, C.M., see Ross, R.T. (1056) 317
Degli Esposti, M., Crimi, M., Körtner, C., Kröger, A. and Link, T.
The structure of the dihaem cytochrome *b* of fumarate reductase in *Wolinella succinogenes*: circular dichroism and sequence analysis studies (1056) 243
Denariaz, G., Payne, W.J. and LeGall, J.
The denitrifying nitrite reductase of *Bacillus halodenitrificans* (1056) 225
Dibrov, P.A.
The role of sodium ion transport in *Escherichia coli* energetics (1056) 209
Dijkema, C., see Houwen, F.P. (1056) 126

Eynard, N., see Houssin, C. (1056) 76
Ezzeddine, B.M., see Ross, R.T. (1056) 317

Fayyad, E.A., see Ross, R.T. (1056) 317
Fujita, T., see Guo, Z.-j. (1056) 89

Gao, J.-L., Shopes, R.J. and Wraight, C.A.
Heterogeneity of kinetics and electron transfer equilibria in the bacteriopheophytin and quinone electron acceptors of reaction centers from *Rhodopseudomonas viridis* (1056) 259
Ghazi, A., see Houssin, C. (1056) 76
Gingras, G., see Mar, T. (1056) 190
Golbeck, J.H., see Mehari, T. (1056) 139
Gross, E.L. and Curtiss, A.
The interaction of nitrotyrosine-83 plastocyanin with cytochromes *f* and *c*: pH dependence and the effect of an additional negative charge on plastocyanin (1056) 166
Gruszecki, W.I., Veeranjaneyulu, K., Zelent, B. and Leblanc, R.M.
Energy transfer process during senescence: fluorescence and photoacoustic studies of intact pea leaves (1056) 173
Guo, Z.-j., Miyoshi, H., Komyoji, T., Haga, T. and Fujita, T.
Uncoupling activity of a newly developed fungicide, fluazinam [3-chloro-*N*-(3-chloro-2,6-dinitro-4-trifluoromethylphenyl)-5-trifluoromethyl-2-pyridinamine] (1056) 89

Haga, T., see Guo, Z.-j. (1056) 89
Halangk, W. and Kunz, W.S.
Use of NAD(P)H and flavoprotein fluorescence signals to characterize the redox state of pyridine nucleotides in epididymal bull spermatozoa (1056) 273
Harada, M., Ohta, S., Sato, M., Ito, Y., Kobayashi, Y., Sone, N., Ohta, T. and Kagawa, Y.
The $\alpha_1\beta_1$ heterodimer, the unit of ATP synthase (1056) 279
Henke, W. and Jung, K.
Ischemia decreases the content of the adenine nucleotide translocator in mitochondria of rat kidney (1056) 71
Herbert, J.S., see Spach, P.I. (1056) 40
Hermes-Lima, M., Valle, V.G.R., Vercesi, A.E. and Bechara, E.J.H.
Damage to rat liver mitochondria promoted by δ-aminolevulinic acid-generated reactive oxygen species: connections with acute intermittent porphyria and lead-poisoning (1056) 57
Hirasawa, M., see Knaff, D.B. (1056) 93
Houssin, C., Eynard, N., Shechter, E. and Ghazi, A.
Effect of osmotic pressure on membrane energy-linked functions in *Escherichia coli* (1056) 76
Houwen, F.P., Dijkema, C., Stams, A.J.M. and Zehnder, A.J.B.
Propionate metabolism in anaerobic bacteria; determination of carboxylation reactions with $^{13}$C-NMR spectroscopy (1056) 126
Hsu, B.-D. and Lee, J.-Y.
A study on the fluorescence induction curve of the DCMU-poisoned chloroplast (1056) 285
Hughes, M.N., see Bonner, F.T. (1056) 133

Inoue, Y., see Miyao, M. (1056) 47
Ito, Y., see Harada, M. (1056) 279

Jortner, J., see Bixon, M. (1056) 301
Jung, K., see Henke, W. (1056) 71

Kagawa, Y., see Harada, M. (1056) 279
Knaff, D.B. and Hirasawa, M.
Ferredoxin-dependent chloroplast enzymes (1056) 93
Kobayashi, Y., see Harada, M. (1056) 279
Komyoji, T., see Guo, Z.-j. (1056) 89
Körtner, C., see Degli Esposti, M. (1056) 243
Krawczyk, S.
Electrochromism of chlorophyll *a* monomer and special pair dimer (1056) 64
Kröger, A., see Degli Esposti, M. (1056) 243
Kunz, W.S., see Halangk, W. (1056) 273

Leblanc, R.M., see Gruszecki, W.I. (1056) 173
Lee, C.-H., see Ross, R.T. (1056) 317
Lee, J.-Y., see Hsu, B.-D. (1056) 285
LeGall, J., see Denariaz, G. (1056) 225
Leurgans, S.E., see Ross, R.T. (1056) 317
Link, T., see Degli Esposti, M. (1056) 243

Mar, T. and Gingras, G.
Evidence for the photoreductive trapping of doubly reduced bacteriopheophytin in the photoreaction center of *Ectothiorhodospira* sp. (1056) 190
McIntosh, A.R. and Boucher, F.
On the action spectrum of the photoelectric transients of bacteriorhodopsin in solid-state films (1056) 149
Mehari, T., Parrett, K.G., Warren, P.V. and Golbeck, J.H.
Reconstitution of the iron-sulfur clusters in the isolated $F_A/F_B$ protein: EPR spectral characterization of same-species and cross-species Photosystem I complexes (1056) 139
Melis, A., see Neale, P.J. (1056) 195
Michel-Beyerle, M.E., see Bixon, M. (1056) 301
Miller, A.-F. and Brudvig, G.W.
A guide to electron paramagnetic resonance spectroscopy of Photosystem II membranes (1056) 1
Miyao, M. and Inoue, Y.
An improved procedure for photoactivation of photosynthetic oxygen evolution: Effect of artificial electron acceptors on the photoactivation yield of $NH_2OH$-treated wheat Photosystem II membranes (1056) 47
Miyoshi, H., see Guo, Z.-j. (1056) 89

Neale, P.J. and Melis, A.
Dynamics of Photosystem II heterogeneity during photoinhibition: depletion of PS $II_\beta$ from non-appressed thylakoids during strong-irradiance exposure of *Chlamydomonas reinhardtii* (1056) 195

Ohta, S., see Harada, M. (1056) 279
Ohta, T., see Harada, M. (1056) 279
Ooms, J.J.J., Versluis, W., Van Vliet, P.H. and Vredenberg, W.J.
The flash-induced P515 shift in relation to ATPase activity in chloroplasts (1056) 293

Parrett, K.G., see Mehari, T. (1056) 139
Paudel, H.K., Yu, L. and Yu, C.-A.
Involvement of a histidine residue in the interaction between membrane-anchoring protein (QPs) and succinate dehydrogenase in mitochondrial succinate-ubiquinone reductase (1056) 159
Payne, W.J., see Denariaz, G. (1056) 225
Payrastre, B., Plantavid, M. and Chap, H.
Stimulation by epidermal growth factor of inositol phosphate production in plasma membranes from A431 cells (1056) 19
Peloquin, J.M., Bylina, E.J., Youvan, D.C. and Bocian, D.F.
Effects of pigment–protein interactions on the conformation of the primary electron acceptor in *Rhodobacter capsulatus* reaction centers (1056) 85
Pereira da Silva, L., see Antonio, R.V. (1056) 250
Plantavid, M., see Payrastre, B. (1056) 19
Poole, R.K., see Bonner, F.T. (1056) 133

Ross, R.T., Lee, C.-H., Davis, C.M., Ezzeddine, B.M., Fayyad, E.A. and Leurgans, S.E.
Resolution of the fluorescence spectra of plant pigment-complexes using trilinear models (1056) 317

Sato, M., see Harada, M. (1056) 279
Sauer, K., see Woo Park, J. (1056) 181
Scott, R.I., see Bonner, F.T. (1056) 133
Shechter, E., see Houssin, C. (1056) 76
Shopes, R.J., see Gao, J.-L. (1056) 259
Sone, N., see Harada, M. (1056) 279
Spach, P.I., Herbert, J.S. and Cunningham, C.C.
The interaction between chronic ethanol consumption and oxygen tension in influencing the energy state of rat liver (1056) 40
Stams, A.J.M., see Houwen, F.P. (1056) 126

Valle, V.G.R., see Hermes-Lima, M. (1056) 57
Van Gorkom, H.J., see Vos, M.H. (1056) 27
Van Leeuwen, P.J., see Vos, M.H. (1056) 27
Van Vliet, P.H., see Ooms, J.J.J. (1056) 293
Veeranjaneyulu, K., see Gruszecki, W.I. (1056) 173
Vercesi, A.E., see Antonio, R.V. (1056) 250
Vercesi, A.E., see Hermes-Lima, M. (1056) 57
Versluis, W., see Ooms, J.J.J. (1056) 293
Vos, M.H., Van Gorkom, H.J. and Van Leeuwen, P.J.
An electroluminescence study of stabilization reactions in the oxygen-evolving complex of Photosystem II (1056) 27
Vredenberg, W.J., see Ooms, J.J.J. (1056) 293

Warren, P.V., see Mehari, T. (1056) 139
Woo Park, J. and Sauer, K.
Subunit selective bleaching of C-phycocyanin from *Synechococcus* PCC 6301 strain AN 112 by $Cu^{2+}$ and sodium perchlorate (1056) 181
Wraight, C.A., see Gao, J.-L. (1056) 259

Youvan, D.C., see Peloquin, J.M. (1056) 85
Yu, C.-A., see Paudel, H.K. (1056) 159
Yu, L., see Paudel, H.K. (1056) 159

Zehnder, A.J.B., see Houwen, F.P. (1056) 126
Zelent, B., see Gruszecki, W.I. (1056) 173